Contents to volume 300

Research Letters

Fluorescence study on cardiac glycoside binding to the Na,K-pump: Ouabain binding is associated with movement of electrical charge (FEBS 10835) *W. Stürmer, H.-J. Apell* 1
Accumulation of a translation intermediate of D1 protein by light–dark transition in isolated spinach chloroplasts (FEBS 10837) *N. Inagaki, K. Satoh* 5
Nitroprusside stimulates the cysteine-specific mono(ADP-ribosylation) of glyceraldehyde-3-phosphate dehydrogenase from human erythrocytes (FEBS 10838) *A.Y. Kots, A.V. Skurat, E.A. Sergienko, T.V. Bulargina, E.S. Severin* 9
Identification and characterization of urokinase receptors in natural killer cells and T-cell-derived lymphokine activated killer cells (FEBS 10836) *A. Nykjær, C.M. Petersen, B. Møller, P.A. Andreasen, J. Gliemann* 13
The affinity of the Klenow fragment of *E. coli* DNA-polymerase I to primers containing bases noncomplementary to the template and hairpin-like elements (FEBS 10839) *M.V. Ljach, T.I. Kolocheva, V.V. Gorn, A.S. Levina, G.A. Nevinsky* 18
Inhibition of neutrophil superoxide production by human plasma α_1-antitrypsin (FEBS 10852) *N. Bucurenci, D.R. Blake, K. Chidwick, P.G. Winyard* 21
Detection of elsamicin–DNA binding specificity by restriction enzyme cleavage (FEBS 10844) *A. Párraga, J. Portugal* 25
Nuclear magnetic resonance spectroscopy to determine the micellar cholesterol in human bile (FEBS 10867) *J.P.M. Ellul, G.M. Murphy, H.G. Parkes, R.Z. Slapa, R.H. Dowling* 30
UV difference spectroscopy of ligand binding to maltose-binding protein (FEBS 10847) *K. Gehring, K. Bao, H. Nikaido* 33
Cloning, expression and modulation of a mouse NMDA receptor subunit (FEBS 10843) *M. Yamazaki, H. Mori, K. Araki, K.J. Mori, M. Mishina* 39
Galanin reduces PDBu-induced protein phosphorylation in rat ventral hippocampus (FEBS 10841) *C. La Porta, R. Bianchi, S. Sozzani, T. Bartfai, S. Consolo* 46
Structure and RNA content of the prosomes* (FEBS 10862) *O. Coux, H.G. Nothwang, K. Scherrer, W. Bergsma-Schutter, A.C. Arnberg, P.A. Timmins, J. Langowski, C. Cohen-Addad* 49
Sequence-specific resonance assignment and conformational analysis of subtilin by 2D NMR (FEBS 10849) *W.C. Chan, B.W. Bycroft, M.L. Leyland, L.-Y. Lian, J.C. Yang, G.C.K. Roberts* 56
Boar spermadhesins AQN-1 and AWN are sperm-associated acrosin inhibitor acceptor proteins (FEBS 10845) *L. Sanz, J.J. Calvete, V. Jonáková, E. Töpfer-Petersen* 63
The sodium ion pumping oxaloacetate decarboxylase of *Klebsiella pneumoniae : Metal ion content, inhibitors and proteolytic degradation studies (FEBS 10846) P. Dimroth, A. Thomer* 67
Identification of a component separated on Mono Q purification of *Escherichia coli* RNA polymerase as an NTPase (FEBS 10848) *J.J. Butzow, R.G. Stankis* 71
Probable occurrence of toxin-susceptible G proteins in the nematode *Caenorhabditis elegans* (FEBS 10850) *Y. Arata, S. Tada, M. Ui* 73
Transcription of the gene for the merozoite surface antigen MSA2 of the human malaria parasite *Plasmodium falciparum* during the asexual cycle (FEBS 10853) *C. Barron* 77
Expression in human lung tumor cells of the proprotein processing enzyme PC1/PC3: Cloning and primary sequence of a 5 kb cDNA (FEBS 10854) *J.W.M. Creemers, A.J.M. Roebroek, W.J.M.V. de Ven* 82
Inhibition of rat liver microsomal fatty acid chain elongation by gemfibrozil in vitro (FEBS 10855) *R.M. Sánchez, M. Viñals, M. Alegret, M. Vázquez, T. Adzet, M. Merlos, J.C. Laguna* 89
A cytosolic protein tyrosine kinase in rat adipocytes (FEBS 10856) *A. Shisheva, Y. Shechter* 93
RNase H activity of HIV reverse transcriptases is confined exclusively to the dimeric forms (FEBS 10857) *T. Restle, B. Müller, R.S. Goody* 97
Action of *Escherichia coli* and human 5' → 3' exonuclease functions at incised apurinic/apyrimidinic sites in DNA (FEBS 10858) *A. Price* 101
Decreased expression of FcγRIII mRNA in leukemic granulocytes (FEBS 10860) *J. Monteiro, S. Advani, B. Gothoskar, S. Zingde* 105

Review Letter

Genetic alterations by human papillomaviruses in oncogenesis (FEBS 10842) *P.A. Lazo, M.I. Gallego, S. Ballester, E. Feduchi* 109

Research Letters

Staurosporine induces a neuronal phenotype in SH-SY5Y human neuroblastoma cells that resembles that induced by the phorbol ester 12-*O*-tetradecanoyl phorbol-13 acetate (TPA) (FEBS 10861) *A. Jalava, J. Heikkilä, M. Lintunen, K. Åkerman, S. Påhlman* 114
Cloning and sequencing of cDNA encoding the putative insect plasma membrane V-ATPase subunit A (FEBS 10840) *R. Gräf, F.J.S. Novak, W.R. Harvey*, H. Wieczorek* 119
The vegetalizing factor: A member of the evolutionarily highly conserved activin family (FEBS 10859) *H. Tiedemann, F. Lottspeich, M. Davids, S. Knöchel, P. Hoppe, H. Tiedemann* 123
Characterization of a prolyl endopeptidase from spinach thylakoids (FEBS 10864) *T. Kuwabara* 127
Production of the cysteine proteinase inhibitor cystatin C by rat Sertoli cells (FEBS 10863) *A. Esnard, F. Esnard, F. Guillou, F. Gauthier* 131
The solution structure of a cyclic endothelin antagonist, BQ-123, based on ^{1}H–^{1}H and ^{13}C–^{1}H three bond coupling constants (FEBS 10869) *M.D. Reily, V. Thanabal, D.O. Omecinsky, J.B. Dunbar Jr., A.M. Doherty, P.L. DePue* 136
Improved band shift assay for the simultaneous analysis of protein–DNA interactions and enzymatic functions of DNA polymerases (FEBS 10866) *R. Strick, C.W. Knopf* 141
Stereochemistry of the hydrolysis reaction catalyzed by endoglucanase Z from *Erwinia chrysanthemi* (FEBS 10868) *F. Barras, I. Bortoli-German, M. Bauzan, J. Rouvier, C. Gey, A. Heyraud, B. Henrissat* 145
Characterization of the RDC1 gene which encodes the canine homolog of a proposed human VIP receptor: Expression does not correlate with an increase in VIP binding sites (FEBS 10870) *J.S. Cook, D.H. Wolsing, J. Lameh, C.A. Olson, P.E. Correa, W. Sadee, E.M. Blumenthal, J.S. Rosenbaum* 149
Evidence for multiple genes coding for the isozymes of hexokinase in the highly glycolytic AS-30D rat hepatoma (FEBS 10871) *W.C. Wigley, R.A. Nakashima* 153
Binding of an import protein to intact chloroplasts and to isolated chloroplast envelopes of *Chlamydomonas reinhardii* (FEBS 10887) *Q.-X. Su, A. Niklaus, R. Rothen, A. Boschetti* 157
An interferon-induced protein with release factor activity is a tryptophanyl-tRNA synthetase (FEBS 10879) *F.-C. Bange, T. Flohr, U. Buwitt, E.C. Böttger* 162

Highly conserved hexamer, octamer and nonamer motifs are positive *cis*-regulatory elements of the wheat histone H3 gene (FEBS 10873) *T. Nakayama, A. Sakamoto, P. Yang, M. Minami, Y. Fujimoto, T. Ito, M. Iwabuchi* 167
Isoproterenol-stimulated labelling of particulate proteins by using [*adenylate*-^{32}P]NAD$^+$ independent on a cAMP-dependent protein kinase in parotid acinar cells (FEBS 10875) *H. Sugiya, M. Hara-Yokoyama, S. Furuyama* 171
A theoretical method to predict DNA permutation gel electrophoresis from the sequence (FEBS 10865) *D. Boffelli, P. De Santis, A. Palleschi, G. Risuleo, M. Savino* 175
Peroxisomal protein import: In vivo evidence for a novel translocation competent compartment (FEBS 10878) *P. Heinemann, W.W. Just* 179
Messenger RNA sorting in enterocytes: Co-localization with encoded proteins (FEBS 10877) *E.H.H.M. Rings, H.A. Büller, P.A.J. de Boer, R.J. Grand, R.K. Montgomery, W.H. Lamers, R. Charles, A.F.M. Moorman* 183
Formation of free sphingosine and ceramide from exogenous ganglioside GM1 by cerebellar granule cells in culture (FEBS 10874) *L. Riboni, R. Bassi, S. Sonnino, G. Tettamanti* 188
Mode of sodium ion action on methanogenesis and ATPase of the moderate halophilic methanogenis bacterium *Methanohalophilus halophilus* (FEBS 10884) *P. Šmigáň, P. Rusňák, M. Greksák, T.N. Zhilina, G.A. Zavarzin* 193
Erratum 197
cDNA cloning and sequencing of tobacco chloroplast ribosomal protein L12 (FEBS 10881) *Y. Li, H. Itadani, M. Sugita, M. Sugiura* 199
Na^+-dependent high-affinity uptake of L-glutamate in cultured fibroblasts (FEBS 10880) *V.J. Balcar* 203
Direct expression in *Escherichia coli* and characterization of bovine adrenodoxins with modified amino-terminal regions (FEBS 10876) *Y. Sagara, T. Hara, Y. Ariyasu, F. Ando, N. Tokunaga, T. Horiuchi* 208
The complete primary structure of the spermadhesin AWN, a zona pellucida-binding protein isolated from boar spermatozoa (FEBS 10882) *L. Sanz, J.J. Calvete, K. Mann, W. Schäfer, E.R. Schmid, W. Amselgruber, F. Sinowatz, M. Ehrhard, E. Töpfer-Petersen* 213
Latrotoxin-like properties of a protein from brain (FEBS 10885) *V.A. Zhukareva, O.Y. Shatursky, V.K. Lishko, M.K. Malysheva, Y.T. Terletskaya, O.M. Tsygankova, E.V. Grishin* 219
Functional role of TTF-1 binding sites in bovine thyroglobulin promoter (FEBS 10883) *F. Javaux, F. Bertaux, A. Donda, H. Francis-Lang, G. Vassart, R. DiLauro, D. Christophe* 222
Sphingolipid transport from the trans-Golgi network to the apical surface in permeabilized MDCK cells (FEBS 10888) *T. Kobayashi, S.W. Pimplikar, R.G. Parton, S. Bhakdi, K. Simons* 227
Solubilization of active GLP-1 (7–36)amide receptors from RINm5F plasma membranes (FEBS 10886) *R. Göke, B. Oltmer, S.P. Sheikh, B. Göke* 232
A large domain common to sperm receptors (Zp2 and Zp3) and TGF-β type III receptor (FEBS 10889) *P. Bork, C. Sander* 237
Antithrombin Budapest 3: An antithrombin variant with reduced heparin affinity resulting from the substitution L99F (FEBS 10890) *R.J. Olds, D.A. Lane, M. Boisclair, G. Sas, S.C. Bock, S.L. Thein* 241
The effect of ammonia and pH on brain γ-glutamyl transpeptidase in young rats (FEBS 10892) *F. Šťastný, J. Pitha, V. Lisy, W. Hilgier, I. Kaucká, J. Albrecht* 247
Inhibition of alcohol dehydrogenases by thiol compounds (FEBS 10891) *L.-Y. Cheng, L.-H. Lek* 251
Escherichia coli leucine-responsive regulatory protein (Lrp) controls lysyl-tRNA synthetase expression (FEBS 10893) *M. Gazeau, F. Delort, P. Dessen, S. Blanquet, P. Plateau* 254
Immunocharacterization of δ- and ζ-isoenzymes of protein kinase C in rat renal mesangial cells (FEBS 10894) *A. Huwiler, D. Fabbro, S. Stabel, J. Pfeilschifter* 259
Effect of starvation on glucose transport and membrane fluidity in rat intestinal epithelial cells (FEBS 10895) *P.D. Gupta, A.A. Waheed* 263
Differential sensitivity of CG and CCG DNA sequences to ethionine-induced hypomethylation of the *Nicotiana tabacum* genome (FEBS 10896) *M. Bezděk, B. Koukalová, V. Kuhrová, B. Vyskot* 268
In vivo activation of the yeast plasma membrane ATPase during nitrogen starvation: Identification of the regulatory domain that controls activation (FEBS 10897) *B. Benito, F. Portillo, R. Lagunas* 271
The non-equivalence of binding sites of coenzyme quinone and rotenone in mitochondrial NADH-CoQ reductase (FEBS 10901) *I. Ahmed, G. Krishnamoorthy* 275
Analysis of differentially expressed genes in retinitis pigmentosa retinas: Altered expression of clusterin mRNA (FEBS 10903) *S.E. Jones, J.M.A. Meerabux, D.A. Yeats, M.J. Neal* 279
Tryptophan fluorescence quenching by alkaline pH and ternary complex formation in human $\beta_1\beta_1$and horse EE alcohol dehydrogenases (FEBS 10902) *T. Ehrig, B.B. Muhoberac, T.D. Hurley, W.F. Bosron* 283
The X-ray structure of a tetrapeptide bound to the active site of human cyclophilin A (FEBS 10898) *J. Kallen, M.D. Walkinshaw* 286
Cyclosporin A–cyclophilin complex formation: A model based on X-ray and NMR data (FEBS 10899) *C. Spitzfaden, H.-P. Weber, W. Braun, J. Kallen, G. Wider, H. Widmer, M.D. Walkinshaw, K. Wüthrich* 291
Slow, tight binding to human renin of some nonpeptidic renin inhibitors containing a 4-methoxymethoxypiperidinylamide at the P4 position (FEBS 10900) *H.H. Stein, A.K.L. Fung, J. Cohen, W.R. Baker, S.H. Rosenberg, S.A. Boyd, B.D. Dayton, Y.L.S.-T. Armiger, S.L. Condon, R.A. Mantei, H.D. Kleinert* 301

Author Index to Volume 300 305

Contents to Volume 300 309

Notes to Authors 311